PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 9808WO/UR/FB	FOR FURTHER ACTION See Form	PCT/IPEA/416				
International application No.	International filing date (day/month/year)	Priority date (day/month/year)				
PCT/SE2005/000192	11-02-2005	11-02-2004				
International Patent Classification (IPC) of						
See Supplemental Box						
Applicant						
SOLYOM, Stefan et al						
	eliminary examination report, established by the ansmitted to the applicant according to Article					
2. This REPORT consists of a total	of 4 sheets, including this cover	er sheet.				
3. This report is also accompanied by	y ANNEXES, comprising:					
a. (sent to the applicant and to the International Bureau) a total of 1 sheets, as follows:						
sheets of the description, claims and/or drawings which have been amended and are the basis of this report						
	containing rectifications authorized by this Ave Instructions).	uthority (see Rule 70.16 and Section 607 of the				
sheets which	supersede earlier sheets, but which this Autho	rity considers contain an amendment that goes				
beyond the di Supplemental	sclosure in the international application as file Box.	d, as indicated in item 4 of Box No. I and the				
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b (sent to the Internation	onal Bureau only) a total of (indicate type and					
form only, as indicate	ed in the Supplemental Box Relating to Sequen	and/or tables related thereto, in electronic nee Listing (see Section 802 of the				
Administrative Instru						
4. This report contains indications re						
	f the report					
Box No. II Priority						
	tablishment of opinion with regard to novelty,	inventive step and industrial applicability				
	unity of invention					
	teasoned statement under Article 35(2) with regard to novelty, inventive step or industrial pplicability; citations and explanations supporting such statement					
	documents cited					
Box No. VII Certain	defects in the international application					
Box No. VIII Certain	observations on the international application					
Date of submission of the demand	Date of completion	of this report				
12-12-2005	31-03-2006					
Name and mailing address of the IPEA/SI Patent- och registreringsverket	Authorized officer					
Box 5055		_ ,				
S-102 42 STOCKHOLM	Magnus We					
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Form PCT/IPEA/409 (cover sheet) (April 2005)

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/SE2005/000192

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In case the space in any of the preceding boxes is not sufficient. Continuation of: Cover sheet	
International patent classification (IPC)	
G05F 1/14 (2006.01)	
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Form PCT/IPEA/409 (Supplemental Box) (April 2005)

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/SE2005/000192

With regard to the language, this report is based on:	
	
the international application in the language in which it was filed	
a translation of the international application into	
which is the language of a translation furnished for the purposes of:	
international search (Rules 12.3(a) and 23.1(b))	
publication of the international application (Rule 12.4(a))	
international preliminary examination (Rules 55.2(a) and/or 55.3(a))	
2. With regard to the elements of the international application, this report is based on (replacement sheet furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report of and are not annexed to this report):	ets which have been as "originally filed"
the international application as originally filed/furnished	
the description:	
pages 1-10 as original	
pages* received by this Authority on pages* received by this Authority on	
the claims:	lly filed/furnished
pages as amended (together with any statemen	•
pages* 1 received by this Authority on 12-12-200	
pages* received by this Authority on	
the drawings:	
pages 13-16 as original	lly filed/furnished
pages* received by this Authority on	
pages* received by this Authority on	
a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.	
3. The amendments have resulted in the cancellation of:	
the description, pages	
the claims, Nos.	
the drawings, sheets/figs	
the sequence listing (specify):	
any table(s) related to the sequence listing (specify):	
4. This report has been established as if (some of) the amendments annexed to this report and listed made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supp 70.2(c)).	below had not been plemental Box (Rule
the description, pages	
the claims, Nos.	
the drawings, sheets/figs	
the sequence listing (specify):	
any table(s) related to the sequence listing (specify):	
If item 4 applies, some or all of those sheets may be marked "superseded." DOTTED 1400 (Park) D. (April 2005)	

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/SB2005/000192

Box No. V	Reasoned statement un citations and explanat	nder Article 3 ions supporti	5(2) with regard to novelty, inventive step or industrial applicability; ng such statement	
1. Stateme	nt			
Nov	velty (N)	Claims Claims	<u>1</u> Y	ES IO
Inve	entive step (IS)	Claims Claims		ES IO
Ind	ustrial applicability (IA)	Claims Claims		ES IO

2. Citations and explanations (Rule 70.7)

Documents cited in the International Search Report:

D1: US 6313614 B1 D2: US 6219591 B1

Document D1 discloses a method for voltage stabilization of an electrical power network system, comprising a producing power network system side UP and a consuming power network side US. In this previously known method, a transformer TR equipped with a tap-changer TC is used, and the tap-changer is "dynamically controlled", see for example col. 17, line 55 col.18, line 14. The method according to the amended claim 1 International Application differs from the art in the disclosed in document D1 by providing a feed forward compensation by using a filter. According to the description in the application, the feed forward compensation improves the convergence ratio of the system in case of a fault in the transmission line. Document D1 does not mention or imply the use of such a compensation, and claim 1 involves novelty as well as inventive step over document D1.

Document D2 defines the general state of the art, and is not of particular relevance.

The invention is industrially applicable.

Claims

1 2 -12- 2005

1. Method for voltage stabilization of an electrical power network system comprising a producing power network system side and a consuming power network side, having an on-line tap changer added to a transformer characterised by,

dynamically controlling the transformer ratio n, dynamically controlling the on-line tap changer by changing a voltage reference, and providing a feed forward compensation by using a filter.